

AP Thermistor Series (very high accuracy type)

AP THERMISTOR

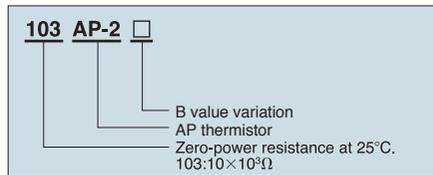
The AP thermistor series features an even higher accuracy than our AT high accuracy thermistors and is used for various types of applications.

- Extremely high accuracy: Tolerance for R25 and B25/85 is $\pm 0.5\%$.
- High accuracy for a wide temperature range: Tolerance for -60°C to $+70^{\circ}\text{C}$ is 0.5% .

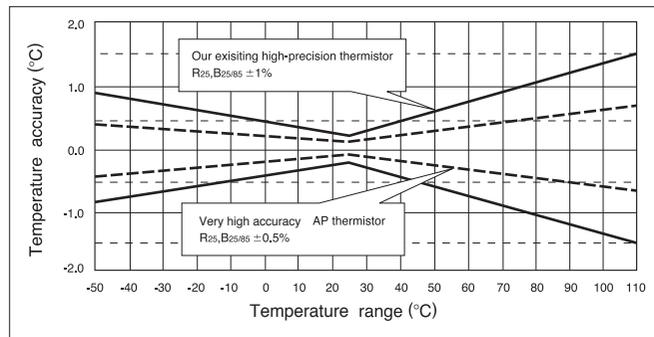
Applications

Mobile devices, battery packs, fan motors, cars, office automation, home electronics, security, thermometers, measuring instruments (and many more)

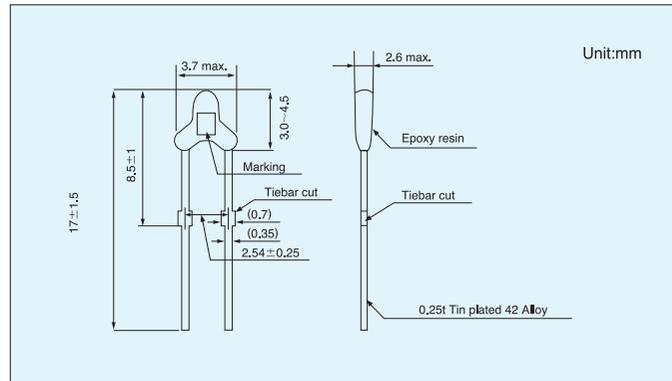
Part number



Temperature accuracy



Dimensions



This products complies with RoHS

Specifications

Part No.	R ₂₅ *1	B value*2	Dissipation factor (mW/°C) Approx.	Thermal time constant (s)*3 Approx.	Rated maximum power dissipation (at 25°C) (mW)	Category temperature range (°C)
202AP-2	2.00kΩ	3976K	1.2	15	6	-60~+150
232AP-2	2.252kΩ	3976K				
502AP-2	5.00kΩ	3976K				
103AP-2	10.0kΩ	3435K				
103AP-2-A		3976K				
203AP-2	20.0kΩ	3976K				
503AP-2	50.0kΩ	4220K				
104AP-2	100kΩ	4261K				
204AP-2	200kΩ	4470K				

*1 Rated zero-power resistance value at 25°C.

*2 B value determined by rated zero-power resistance at 25°C and 85°C.

*3 Time necessary to reach 63.2% of temperature difference. Measured in still air.